

Aker MH AS

STANDARD DOCUMENT

Client:

ALL

Project:

ALL

Equipment:

Equipment tag no.:

DRILLING EQUIPMENT

ALL

Document title:

STANDARD FOR PRESERVATION/PACKING/STORAGE AND UNPACKING

Rev.:	Reason for issue:	Date:	Author:	Checked:	Approved:
01	Upgraded preservation	29 Mar 2011	GEG <i>Gør</i>	MG <i>ll</i>	GEG <i>Jøc</i>
C	Requirements for filling in packing lists & Photographing included	17.Sep.2010	MG	SCS	GEG
B	Re-Issued for Use	13.Feb.2009	GEG	SCS	GEG
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MHSTD	Z	ZZ50	KA05	0001
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Customer doc. no.: -

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Revision History

Rev.:	Chapter:	Description:
0		First Issue
A		
B		
C		Requirements for filling in packing lists & Photography included
01		Spray equipment with corrosion inhibitor, preserve hose fittings.

- The current issue of 2011 has been revised to improve the protection against industrial contamination at the construction site.
- A note concerning preservation of gearbox has been added.
- References to MH paint specification have been edited for harmonization.
- Major changes incorporated in this revision 01, are highlighted in yellow.
- Aker MH-AS is a legal entity registered in Norway, and part of Aker Solutions. In the text of this document it is referred to as MH. The company name has been edited throughout the document, without highlighting each instance.

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1 PRESERVATION, PACKING, STORAGE & UNPACKING PROCEDURE

1.1 Safety First

We are always concerned with the safe operation of the equipment. Warnings, cautions and notes are inserted throughout this chapter. This information is highlighted in the following manner:

WARNING

Possible Loss, Injury or Death!

Warnings are placed wherever improper operational procedures or functions may cause serious property loss, injury, or death.

CAUTION

Possible Loss, Use Care

Cautions are issued where there is a risk of serious loss of property or damage to equipment.

NOTE

Important Take Notice

Notes provide useful information not associated with safety.

2 OBJECTIVE

The objective of this standard is to ensure that equipment is protected, before use, in a safe, efficient and economic manner to avoid degradation of quality and loss of property.

CAUTION

Possible Loss, Use Care

Generally, all elements of this standard have a potential for serious loss of property if not conducted correctly.

In addition to the cost of repairing equipment, the consequences of project delay or lost revenue may vastly exceed the value of the equipment itself.

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3 SCOPE

3.1 General

This standard shall be used unless otherwise agreed.

It shall be the general basis for preservation, packing, storage and unpacking by all MH's workshops, warehouses, subcontractors acting on MH's behalf, clients and project sites receiving equipment.

It includes components, finished equipment and semi-finished equipment; as addressed in the following sections.

3.2 Components

Components supplied to MH's warehouse, to client, to equipment fabricator or main yard as spare part or construction material, shall comply with all relevant parts of this standard.

Unless otherwise agreed, packing and preservation for overseas transport and minimum 12 months storage shall be the normal standard.

Component supplier shall give supplementary instructions if special requirements are necessary for the particular type of component.

3.3 Semi-finished Equipment and Structures

Semi finished equipment, supplied from contractor to MH or to other contractor for further outfitting, shall be preserved and packed to the maximum practical extent within the scope of this standard, as advised by MH's inspectors.

Preparation for sea transport and winter transport on salted roads shall be considered.

Unloading and temporary outdoor storage during the transport phase shall be considered.

Protection against dust and weld spatter at destination site shall be considered.

Machined surfaces shall be preserved against corrosion

Preservation that will obviously be removed and repeated again by others within a very short time may be omitted, subject to agreement with MH's local inspector.

(Example: prefabricated steel frame to be outfitted by others.)

3.4 Finished Equipment

Finished equipment to be shipped from MH or from manufacturer shall be preserved and packed in compliance with all applicable requirements of this standard.

It is assumed by default that all finished equipment shall be prepared for a period of 12 months, including overseas transport, erection and completion under extreme industrial conditions, before being taken into use. This does not relieve the client from careful handling and storage on site.

3.5 Special Products

Some special products may require special treatment due to complexity of the product or special storage conditions. Such products shall be treated according to the provisions of section 11 and applicable supplementary procedures.

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3.6 Third Party Equipment

Equipment supplied directly to project by other supplier who has total design and product responsibility, shall be preserved according to supplier's procedure, subject to review and approval by MH.

The extent of preservation shall be comparable to this document. All applicable health and safety regulations shall be adhered to.

Supplier's procedure approved by MH shall be registered according to applicable project routines. If supplier's standard is not acceptable, this document shall apply.

4 RESPONSIBILITIES

4.1 MH

- Identification and description of initial and any additional preservation requirements.
- MH shall ensure that preservation requirement is included in the purchase order / technical requisition.

4.2 MH and Contractors

- Performing preservation, as applicable to components, semi fabricated and finished equipment.
- Filling out preservation labels and fixing labels to the equipment.
- Documenting initial preservation activities in preservation records.
- Filing toxicological data for all preservation products used.
- Maintaining preservation of components supplied and preserved by others. If necessary by amendments to this standard when advised by component supplier.
- Packing as per section 6 of this standard.
- MH is responsible until the equipment is delivered to the client.
- Sub suppliers / contractors are responsible until equipment is delivered to MH

4.3 Client

After delivery of the equipment, the preservation is the client's responsibility, unless otherwise agreed.

After installation, the client is required to preserve and maintain preservation to all equipment in compliance with this procedure or otherwise agreed.

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5 PRESERVATION

5.1 Initial Preservation

5.1.1 General Equipment

The equipment shall be clean and without corrosion prior to preservation.

All equipment shall be marked with a preservation label.

Hydraulic pipe and fittings of stainless steel. Spray with corrosion inhibitor, Cortec vpCi 389 diluted in 50% water, or alternative equivalent product, subject to MH's approval.

Hydraulic fittings and hose fittings, yellow or white zinc plated: Paint system 9 or wrap with Denso tape. A self vulcanising rubber tape may also be used, after spraying with corrosion inhibitor.

Hydraulic system; fittings, pipes, hoses, motors, pumps, accumulators and cylinders shall be preserved with clean, operational type hydraulic oil. Oil shall be drained, and hydraulic system shall be blinded. For cleanliness of oil, refer to MH AS Flushing Procedure, document number KA23 (available upon request) or User Manual.

Hydraulic gear, gearboxes and swivels shall be filled with oil type and quantity specified for the gear in Lubrication Chart during transport and storage.

For hydraulic cylinders, if shipped or stored with piston rod in exposed position, it shall be preserved with a wax type preservative to avoid corrosion during initial preservation period. Furthermore, the piston rod shall be packed in rubber protection with a minimum thickness of 4 mm.

Ensure that the wax type preservative is not in any way aggressive to seal materials used on the cylinder. (If in doubt, sealing shall be covered with vulcanization tape).

All inlets/outlets on equipment shall be plugged or blinded.

Threaded openings for fluid or pneumatic service shall be plugged with threaded steel plugs.

Flanged openings shall be blinded with matching gaskets and blind flanges of the corresponding pipe class standard, or alternatively a 2 mm thick self adhesive plastic sheet covering the gasket surface and the full bore, plus a 6 mm thick plywood plate attached with hot dip galvanized bolts.

Open ends of hoses and piping/ tubing shall be plugged or blind flanged as described above

For equipment or pipe systems where water is used for pressure testing, the water shall be mixed with a suitable vapour corrosion inhibitor and completely drained off and air-dried after testing to avoid corrosion during storage period. Immediately after drying, the openings shall be sealed and blinded as described above

All valves spindles exposed shall be preserved with a wax type preservative to avoid corrosion during initial preservation period.

Shafts shall be preserved with a wax type preservative to avoid corrosion during initial preservation period. Furthermore, the shafts shall be packed in rubber protection with a minimum thickness of 4

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mm.

Door hinges and grease nipples shall be lubricated to avoid corrosion during initial preservation period. (For lubricant information, ref. Lubrication chart in User Manual). Plastic plugs shall be installed on grease nipples.

Glasses in instrument panels and windows in cabins shall be covered with aluminium sheeted glass fibre cloth and 6 mm plywood.

Bearings shall be lubricated in accordance with Lubrication Chart in User Manual.

The exposed visible surface of bearing ring shall be painted to system 3A of MH paint specification SA16, after the bearing has been installed and the bolts have been tightened to correct torque. Do not blast with high pressure water, but clean gently with detergent and water at the outer surface only, before painting.

Manometers and gauges shall be covered with plywood and aluminium sheeted glass fibre cloth.

Machined surfaces for sliding movement, such as runway beams axles and tooth racks, shall be coated with grease or a wax type preservative.

Painted structural steel and other surfaces painted according to MHs specification SA16 do not need additional preservation.

Structural bolted joints, Faying surfaces shall be coated with min 50-microns of primer.

(MH paint specification SA16, **system 2**. This also includes the compressed area under bolting washers.

If black unprotected bolts are used, as sometimes specified on drawings, the bolts shall be painted with topcoat after assembly and correct tightening.

All Stainless steel equipment shall be protected against welding and grinding dust. Spray with corrosion inhibitor, Cortec vpCi 389 diluted in 50% water, , or alternative equivalent product, subject to MH's approval. Then cover with aluminium sheeted glass fibre cloth or similar fire resistant material.

This also includes the external surfaces of electric equipment mentioned in the following section.

5.1.2 Electrical and Electronic Equipment

- All closed cavities containing electrical and electronic components shall be protected with vapour corrosion inhibitor. In addition, vapour corrosion inhibitor shall be used in all closed cabinets/junction boxes.
- Cabinets/junction boxes shall be covered with aluminium foil.
- Volume of cabinets/junction boxes shall be determinative for the amount of vapour corrosion inhibitors. (Refer to instructions by supplier of vapour corrosion inhibitor)
- Natural ventilated cabinets shall be preserved to avoid corrosion during initial preservation period; furthermore, cabinets shall be covered with aluminium foil.

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- Shafts on electrical motors refer to "shafts" in previous chapter.
- Top/End (Vert/Horiz) of motor shall be wrapped with stretch film. Use stretch film containing corrosion inhibiting vapour emitter added by the stretch film manufacturer.
- Electrical Equipment Insulation Resistance shall be measured according to IEC 61892-6 Mobile & fixed offshore units electrical installations, part 6, installation, or supplier's instructions.

WARNING

Possible Loss, Injury or Death!

Electrical shock can cause serious injury or death. All necessary precautions must be observed by personnel conducting the test.

- Results for motors, heaters, generators, converters and transformers shall be recorded on EP-02.
- All non-terminated cable ends shall be fitted with shrinking shroud.
- All unused openings shall be plugged with a certified plug. Plastic plugs can be used if IP rating is maintained
- All space/motor heaters on motors, generators, panels etc. shall be energised.
- All electrical instruments and junction boxes shall be enveloped with aluminium sheeted glass fibre cloth.
- Cabinets with ventilation shall have temperature above 10 °C with de-humidifier or suitable air drier installed. Max 55%RH

5.2 Periodical Preservation

Preservation shall be checked and maintained according to these instructions and Periodical Preservation List in EP-01 and MP-01. (Ref. chapter 12)

5.3 Long Storage Preservation (12-18 Months)

If preservation beyond 12 months is required, it shall be stated in the purchase order / technical requisition.

5.3.1 Initial

- Preservation according to instructions given elsewhere in this document.
- Additionally, complete mechanical unit to be covered externally with rust preventive wax before shipment to client.

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5.3.2 After 12 months

- All preservation shall be checked and kept in good condition. Repair or re-preserve if necessary.

5.3.3 Special Procedure

Special project requirements for long term storage may be subject to agreement with Client and could be addressed in a special procedure, under the provisions of chapter 11.

Such a special procedure shall only apply when specifically stated in the purchase order.

5.4 Preservation media

The chemical products are mentioned in the preceding sections of this document by reference to generic type without brand names, and it is the intention that these products could be supplied from any competent source, selected by the workshop, unless otherwise stated in the equipment user manual.

Below is mentioned for information some products currently used by MH.

Wax coating: Tectyl 506 by Valvoline
Vapro 9868 by Real Marine
Dinitrol 4941

Water soluble corrosion inhibitor VpCI 389 by Cortec

Hydraulic Mineral Oil Shell Tellus 32

Vapour corrosion inhibitor for hydrotest Vapro 841 by Real Marine

Vapour corrosion emitter, dry for cabinets etc: VCI 110 foam by Cortec
Zerust capsule VC05 by Real Marine

Stretch film with emitter Cor Pack by Cortec
Zerust E foil by Real Marine

Grease for open transmissions / wires etc, Shell Maleus GL

Grease and oil for internal lubrication: Refer strictly to Lubrication Chart in User Manual.

NOTE

Important
Take Notice

Always read supplier's datasheets and instructions when using chemicals.

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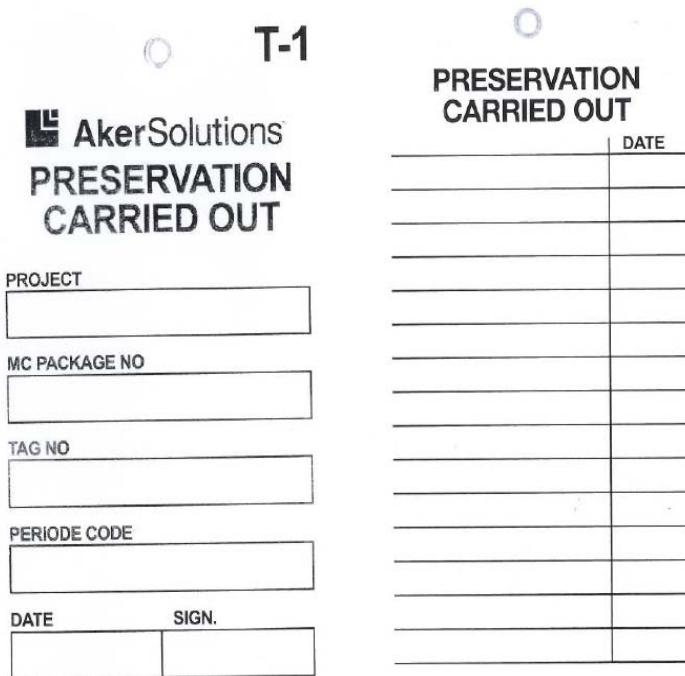
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5.5 Preservation Documents

5.5.1 Preservation Labels

Always sign out labels when preservation is checked / done.

Main Equipment, cylinders and cabinets shall be marked with the Preservation label T-1 (or equal). The label shall preferably be yellow.



The template for a Preservation Label T-1 is shown. It features a yellow background with black text and a blue Aker Solutions logo. The label is divided into two main sections: 'PRESERVATION CARRIED OUT' on the left and 'PRESERVATION CARRIED OUT' on the right. The left section contains fields for 'PROJECT' (a box), 'MC PACKAGE NO' (a box), 'TAG NO' (a box), 'PERIODE CODE' (a box), and 'DATE' and 'SIGN.' (two adjacent boxes). The right section is titled 'PRESERVATION CARRIED OUT' and has a 'DATE' label above a column of six empty lines for signatures. There are also six small circles at the top of the label, likely for hole-punching.

("PERIODE CODE" = Preservation intervals in weeks)

Initial preservation and periodical preservation shall be documented (signatures and dates) on the label.

5.5.2 Preservation Records

Preservation shall also be documented in the Preservation records (EP01, EP-02, MP-01, see section 12). These forms, completed and signed, shall be included in the Dispatch Dossier, & the originals shall be placed in the Data book, chapter 15.

5.5.3 List of Preservatives Used

Table to be completed before shipment and implemented in Dispatch Dossier as described in MH AS's procedure SA14-0001 & SA14-0002 & the original of this list, is to be included in the Data book chapter 15

Preservative Name:	Supplier:	Manufacturer:	HSE Data Sheets: Norwegian/English	

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5.5.4 Special Precautions for Equipment

If there are any special precautions not given in this document that must be considered for equipment preserved, they shall be described and placed in the Dispatch Dossier. The original of such special precautions shall be included in the Data book, chapter 15.

All procedures referred to in this document are available upon request. Pls. contact MH AS for a copy.

6 Packing.

6.1 Packing lists & photographs

- If you haven't received the "Link" for filling in the "Packing List", when you have reached the date, for carrying out the Internal Acceptance Test of the equipment. (This shall be minimum two weeks prior to Factory Acceptance Test) You shall contact MH Purchaser & MH Transport Coordinator, (You will find contact information listed on the Purchase Order) requesting the "Link"
- Example of the "Link";
"You are hereby requested to sign out the Packing List for the above shipment."

Instructions

Please open below link:

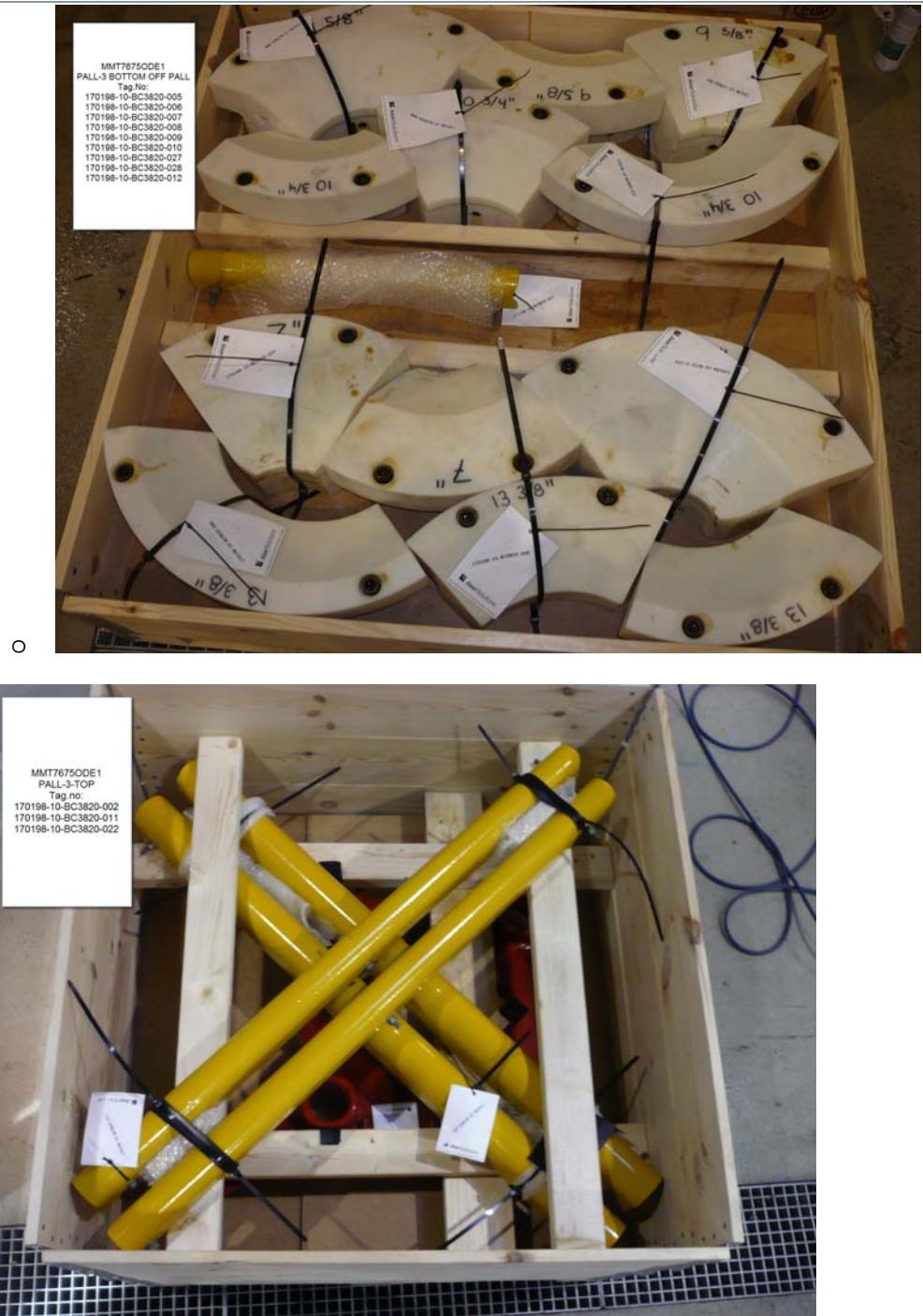
<http://aker.nettkjeden.com/ExternalPacking-List.aspx?sid=8660&r=PackingResponsible&h=63ab6b0ae0fbfd58242d4c47cf1b5b59de1631f2>

- Start preparation for packing as early as possible. Already during IAT, check that you have all necessary packing materials, documents, as stated within this document.
- When you have opened the "Link", print the instructions for filling in the packing list, and follow the instructions.
- Photographing during packing of equipment and all "Loose Items". All MH Suppliers shall take pictures (high quality) of all items listed on the Packing List during packing. All pictures shall be taken in JPG format, then maximum compressed in a zip file before attaching to e-mail
 - All pictures shall have textboxes with information as follows: MMT No. & TAG No's. See examples below;

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- Supplier shall send a complete set of pictures to MH Transport Dept by mail for approval. File shall be named as follows: Pictures MMT 7675 ODE1 (example) If no response/ approval are received within 24, the supplier shall assume the pictures are approved.
- Once you have signed out the packing list as per instructions, and the equipment is ready for shipment, MH will resume responsibility for further handling of shipping arrangements.
 - (The equipment is deemed ready for transport when the "MH Delivery Protocol" is received by the Purchaser, or for Projects not using such Protocol, the Purchaser has received an e-mail from MH representative stating the equipment is released for

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shipment).

- Should the supplier be required to store the equipment at their work shop facilities/ premises, then they shall store the equipment according to the "Storage codes", which is identified on the packing list. (Identifies storage requirements, indoors/ outdoors, heated, etc)
- Packing lists shall be fixed/ attached to the equipment & collies, in water tight envelopes.
- Remember to always use, Two MH marking/ address labels on the equipment and then same on each collie.

6.2 Packing

- Packing of equipment for transportation and under erection shall include protecting the equipment against humidity, dust and mechanical strain, which may occur during short time outdoor storage, loading and unloading. The enclosure (Crate, pallet, etc) used for this purpose shall allow access for lifting with crane or forklift.
- Wooden packaging materials for international transport shall be fumigated and/or heat treated in accordance with ISPM 15 guidelines by the International Plant Protection Convention, including special national requirements by the end country. Upon treatment, the packaging materials shall be stamped by a certified manufacturer.
- The equipment shall be packed in such a way as to restrict movement during transportation.
- Padding shall be used to prevent erosive damage from strops etc. on equipment surfaces.
- Palletised equipment shall not hang over the base of the pallet.
- It must be ensured that the total weight of equipment does not exceed the pallets safety load capacity as specified by the manufacturer.
- Instructive labels (this way up, fragile etc.) shall be used when necessary, and must be easily visible.
- Active shock and tilt indicating labels shall be used for fragile equipment such as electronic cabinets etc.
- A minimum of 2 address labels shall be attached to each separate product.
- All protruding parts (valves, vents, junction boxes etc.) shall be packed in plywood and aluminium foil.
- All metal spare-parts shall be packed in sealed plastic bags with corrosion inhibiting vapour emitter.
- Metal parts for export shipments must be protected to avoid corrosion during initial preservation period.
- Cables, hoses etc. shall be properly secured to keep from dragging along ground.

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7 STORAGE

- Required storage conditions are identified on the equipment packing lists, with additional details out-lined below.
- Sensitive equipment (control cubicles, instrument panels, motors, driller's cabin (DCR) etc.) shall be stored indoors in dry areas (RH <50%) and shall be stored and transported in upright position.
- Equipment or cabins (such as crane cabins etc.) stored in outdoor conditions, shall have cabinet heater and motor heater energised.
- Motors with built in heater shall have the heater energised.

Storage conditions shall be checked shortly after equipment is put in store, and documented in EP-01 point 10 or MP-01 point 11.

8 TRANSPORT

Transportation is not in the scope of this procedure, but is mentioned for reference.

After transport incoming components/equipment shall be inspected to ensure:

- That no transport damage has occurred.
- That preservation and preservation records are correct.
- That the equipment has been transported according to specifications.

Inspection after transport shall be documented in EP-01 point 11 or MP-01 point 12.

Incoming inspection shall also check that conformity exists between prescribed quality and quantity on purchase documents and received material. Any damage, non-conformances and incorrect preservation must be reported to MH AS without undue delay.

9 UNPACKING INSTRUCTIONS

- Do not remove the plugs or flanges in the piping connections before the equipment is ready for connection to a **flushed and certified cleaned** piping system. (Plywood plates may be temporarily removed and refitted for measuring hook up dimensions. Seal plates beneath the plywood shall not be removed until final connection.) When so stated on the blind plates, removal shall be carried out by authorised MH personnel only.
- Do not remove blinds in cable glands before the equipment is ready for connection of cable.
- Do not remove any protective structure or protective clothing designed to prevent ingress of sand or other contaminants until de-preservation is required.
- Electronic panels/equipment or junction boxes must not be unpacked outdoors

9.1 De-preservation Instructions

- De-preservation must be done prior to commissioning start-up. However, effort has been made

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to use non-harmful and environmentally friendly materials that shall also minimize the need for de-preservation. Normally, hand-over to operation or client is accomplished shortly after commissioning completion.

- Corrosion inhibitor film applied to stainless steel surfaces should not be removed.

9.1.1 Following Activities Shall Be Performed To Achieve De-Preservation

- Remove all protection structure and protective clothing.
- Where needed, remove preservative from unpainted and painted steel surfaces using alkaline cleaners or mineral spirits. Thereafter, use steam or hot water.
- Remove plugs or caps for all open-end nozzles, which will be available during operation.
- Do not remove permanently placed plugs.
- Connect space heaters to permanent power source.
- Sealed drain plugs in panels or boxes shall be unsealed.
- If corrosion appears on surfaces, MH AS shall be contacted without undue delay.
- For Cooler /Water system where vapour corrosion inhibitor has been used, the system must be flushed with fresh water.

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10 SPECIAL PROCEDURES

Special equipment may need to be treated according to special procedures that exceed the basic requirements of this standard.

Such special procedures shall be developed with input from the Supplier, MH Life Cycle department, Warehouse and Product Responsible Engineer.

The basic requirements of this standard are assumed to apply additionally, unless specifically stated otherwise in the special procedure.

The special procedure shall be registered as an MH document, (though the main input may be by supplier), and published internally according to controlled document routines.

Document number shall be according to MH coding manual.

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11 APPENDIX

Preservation Records, EP 01, EP02, MP01

11.1 Preservation Record EP – 01

Aker MH AS	Preservation Record		Customer	
	Electrical (EP-01)			
P.O. No. :	Area :		MC Package No:	
Manufacturer: Aker MH AS	System :		Tag No. (If Applicable)	
Description :			Page:	of
VALID STATUS CODE = OK, NA				
Inspection Item	Suppl.	Fabr.	Hookup	Comments
01 Aker MH AS standard and special instructions issued				
02 Preservation performed according to 01				
03 Preservation labels fixed				
04 Corrosion protection applied				
05 Frost precautions taken				
06 Storage/transport protection correct				
07 Loose items marked and preserved				
08 Insulation resistance performed (Ref. EP-02)				
09 Periodical preservation carried out (See below)				
10 Storage conditions are according to specifications				
11 No damage on equipment after transport				
12				
13				
14				
15				
16				
17				
PERIODICAL PRESERVATION LIST				INTERVAL
Shafts on rotating equipment (electric-motors) which are not locked shall be rotated 1 1/4 turn in the rotating direction to avoid brinelling when located in one position for long periods. Make sure that the new shaft position varies from check to check.				4 weeks (If producer recommends to do this more often, recommendations must be followed)
Bearings with lube oil housing, check that oil level is adequate prior to rotation.				
For motors, generators and transformers measure insulation resistance phase to phase and phase to earth.				52 weeks (and before use)
Vapour Corrosion Inhibitor (cabinets/junction boxes) is not older than 52 weeks.				52 weeks
Check that Initial preservation is not damaged or destroyed.				8 weeks (See also 10 and 11)
Verified	Aker MH AS		Sub-Contractor	Installation/Hookup
Name	Executor			Executor
Sign				
Date				
Name	Company			Company
Sign				
Date				

Aker MH AS

Client: All
Equipment: All
Doc. no.: MHSTD-Z-ZZ50-KA05-0001
Title: Standard Preservation/Packing/Storage & Unpacking Procedure

Project: All
Date: 29.March 2011
Revision 01
Page: 19 of 20

11.2 Preservation Record EP – 02

Aker MH AS

Client: All
 Equipment: All
 Doc. no.: MHSTD-Z-ZZ50-KA05-0001
 Title: Standard Preservation/Packing/Storage & Unpacking Procedure

Project: All
 Date: 29.March 2011
 Revision: 01
 Page: 20 of 20

11.3 Preservation Record MP01

Aker MH AS		Preservation Record		Customer		
		Mechanical (MP-01)				
P.O. No. :		Area :	MC Package No:			
Manufacturer: Aker MH AS		System :	Tag No. (If Applicable)			
Description :		Page:			of	
VALID STATUS CODE = OK, NA						
Inspection Item			Suppl.	Fabr.	Hookup	Comments
01	Aker MH AS standard and special instructions issued					
02	Preservation performed according to 01					
03	Preservation labels fixed					
04	Corrosion protection applied					
05	Frost precautions taken					
06	Storage/transport protection correct					
07	Loose items marked and preserved					
08	Equipment enclosure sealed off					
09	In/outlets sealed off					
10	Periodical preservation carried out (see below)					
11	Storage conditions are according to specifications					
12	No damage on equipment after transport					
13						
14						
15						
16						
17						
18						
PERIODICAL PRESERVATION LIST					INTERVAL	
Shafts on rotating equipment which are not locked shall be rotated 1 1/4 turn in the rotating direction to avoid brinelling when located in one position for long periods. Make sure that the new shaft position varies from check to check. Bearings with lube oil housing, check that oil level is adequate prior to rotation.					8 weeks	
Note: Gearbox for top drive shall be treated according to special procedure KA 05-0002. The gearbox shall not be rotated while temporarily preserved with wax inside. Check the procedure for details.						
Open up access hatch or inspection nozzles, check and report internal condition of surfaces and existing preservation on carbon steel coolers, heater, crude/gas meters, tanks and vessel, centrifugal, screw-reciprocating compressors.					26 weeks	
Check that Initial preservation is not damaged or destroyed.					8 weeks (See also 11 and 12)	
Verified	Aker MH AS		Sub-Contractor		Installation/Hookup	
Name	Executor		Executor		Executor	
Sign						
Date						
Name	Company		Company		Company	
Sign						
Date						